

In re Patent Application of:
YOON
Serial No. 09/988,881
Filing Date: November 20, 2001

In the Claims:

Claims 1-15 (Previously cancelled).

16. (Previously amended) A pulley type constant velocity joint comprising:

first and second shafts for transmitting and receiving power therebetween;

a first pulley directly connected to an end of said first shaft, said first pulley having circumferential grooves defined therein;

a second pulley directly connected to an end of said second shaft, said second pulley having circumferential grooves defined therein;

a first elongate member wound around a first set of the circumferential grooves of said first and second pulleys for causing said first and second pulleys to rotate about respective centers thereof in a first direction, said first elongate member having first and second ends respectively connected to the first and second pulleys adjacent said first and second shafts;

a second elongate member wound around a second set of the circumferential grooves of said first and second pulleys for causing said first and second pulleys to rotate about the respective centers thereof in a second direction opposite the first direction, said second elongate member having first and second ends respectively connected to said first and second pulleys adjacent said first and second shafts; and

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a first support frame rotatably supporting said first pulley and a second support frame rotatably supporting said second pulley, said first and second support frames having respective ends rotatably connected together.

17. (Previously added) The pulley type constant velocity joint according to Claim 16 further comprising respective pins connecting said first support frame to a center of said first pulley and said second support frame to a center of said second pulley.

18. (Previously added) The pulley type constant velocity joint according to Claim 16 further comprising respective connecting pins for connecting the ends of said first and second support frames together.

19. (Previously added) The pulley type constant velocity joint according to Claim 18 wherein said connecting pins each comprise a holding portion at at least one end thereof.

20. (Cancelled).

21. (Currently amended) The pulley type constant velocity joint according to Claim 16 wherein said first and second elongate member members comprises comprise metal.

22. (Cancelled).

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23. (Currently amended) The pulley type constant velocity joint according to Claim 16 wherein said first and second elongate member is members are connected to the ends of said first and second shafts.

24. (Previously added) The pulley type constant velocity joint according to Claim 16 wherein said first support frame comprises portions adjacent both sides of said first pulley.

25. (Previously added) The pulley type constant velocity joint according to Claim 16 wherein said second support frame comprises portions adjacent both sides of said second pulley.

26. (Previously added) The pulley type constant velocity joint according to Claim 16 wherein said first and second shafts are symmetrically aligned with respect to an imaginary symmetric plane bisecting said first and second supporting frames.

27. (Previously amended) A pulley type constant velocity joint comprising:
first and second shafts for transmitting and receiving power therebetween;
a first pulley directly connected to an end of said

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first shaft and having circumferential grooves defined therein and a second pulley directly connected to an end of said second shaft and having circumferential grooves defined therein;

a first elongate member winding around a first set of the circumferential grooves of said first and second pulleys to cause said first and second pulleys to symmetrically rotate about respective centers thereof in a first direction to provide a first degree of freedom, said first elongate member having first and second ends respectively connected to said first and second pulleys adjacent said first and second shafts;

a second elongate member wound around a second set of the circumferential grooves of said first and second pulleys for causing said first and second pulleys to rotate about the respective centers thereof in a second direction opposite the first direction, said second elongate member having first and second ends respectively connected to said first and second pulleys adjacent said first and second shafts; and

a first support frame rotatably supporting said first pulley and a second support frame rotatably supporting said second pulley, said first and second support frames having respective ends rotatably connected together to provide a second degree of freedom.

28. (Previously added) The pulley type constant velocity joint according to Claim 27 further comprising:

a respective pin for rotatably connecting a center of said first pulley to said first support frame and a center of

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said second pulley to said second support frame; and
respective connecting pins for connecting the ends of
said first support frame to the ends of said second support
frame.

29. (Cancelled).

30. (Currently amended) The pulley type constant
velocity joint according to Claim 27 wherein said first and
second elongate ~~member is~~ members are fixedly attached to the
ends of said first and second shafts.

31. (Previously amended) A constant velocity joint
comprising:

first and second shafts;

a first pulley directly connected to an end of said
first shaft;

a second pulley directly connected to an end of said
second shaft;

first and second elongate members for respectively
causing said first and second pulleys to move symmetrically about
respective centers thereof in opposite directions to provide said
first and second shafts a first degree of freedom; and

first and second support frames for causing said first
and second shafts to have a second degree of rotational freedom
and to transmit and receive power therebetween.

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32. (Previously amended) The pulley type constant velocity joint according to Claim 31 further comprising:

a pin for rotatably connecting a center of said first pulley to said first support frame and a pin for rotatably connecting a center of said second pulley to said second support frame; and

respective connecting pins for rotatably connecting ends of said first and second support frames.

Claims 33-38 (Previously cancelled).